



CETRA RUDDY

## Lesson #3

# Community School 300

6 May 2011

pencil

Transforming Schools. Together.®



# MAPS: Scale & Plan



# What *is* a map?

- A generalized view of an area, as seen from above at a greatly reduced size
- A two-dimensional representation of the spatial distribution of selected phenomena



# Why make maps?

- To represent a larger area than we can see
- To show a phenomenon or process we can't see with our eyes
- To show spatial relationships



# How do we read maps?

- Maps are *selective* views of reality
- Size of the map relative to reality (scale)
- What's on the map (symbolization)

# Map scale

- Scale is a **fraction**
- So a **large-scale** map covers a small area



Small-scale

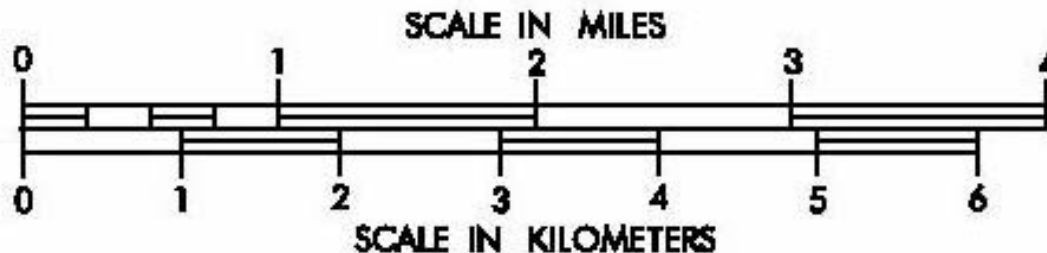


Large-scale

# Map scale




- Ratio of the distance on the map to the distance on the ground

## 1. Graphic:



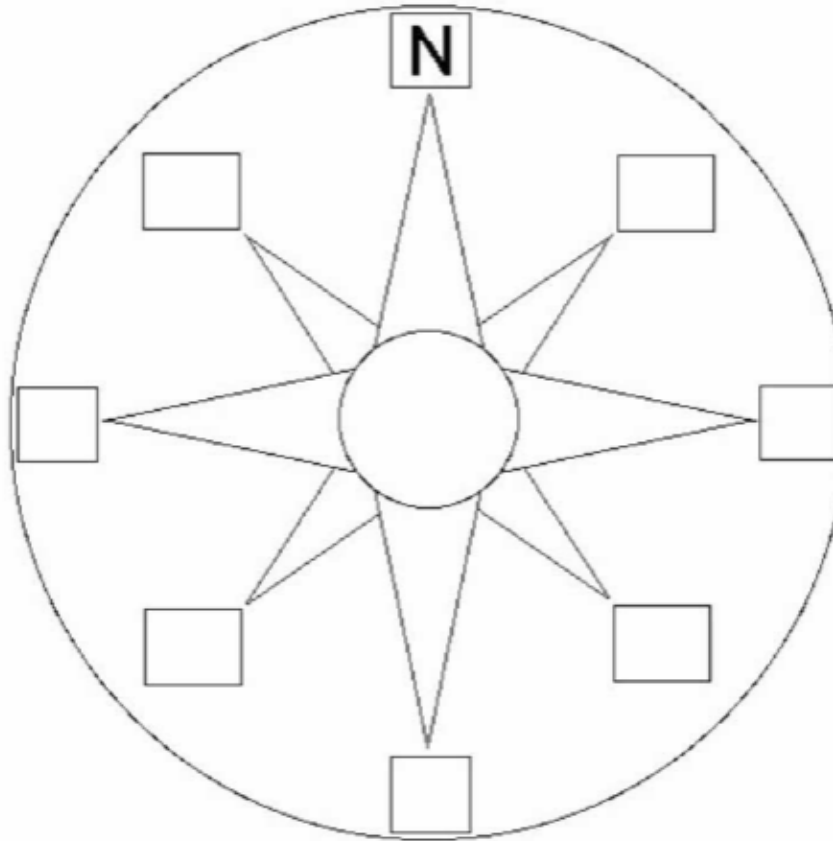


# Map symbols

- Symbols are a **code** instead of text
- Three kinds:
  - point 
  - line 
  - area 
- Consider shape, size, orientation, pattern, color, value

# Compass Rose

A **compass rose** is a design on a map that shows directions. It shows north, south, east, west, northeast, northwest, southeast, and southwest.

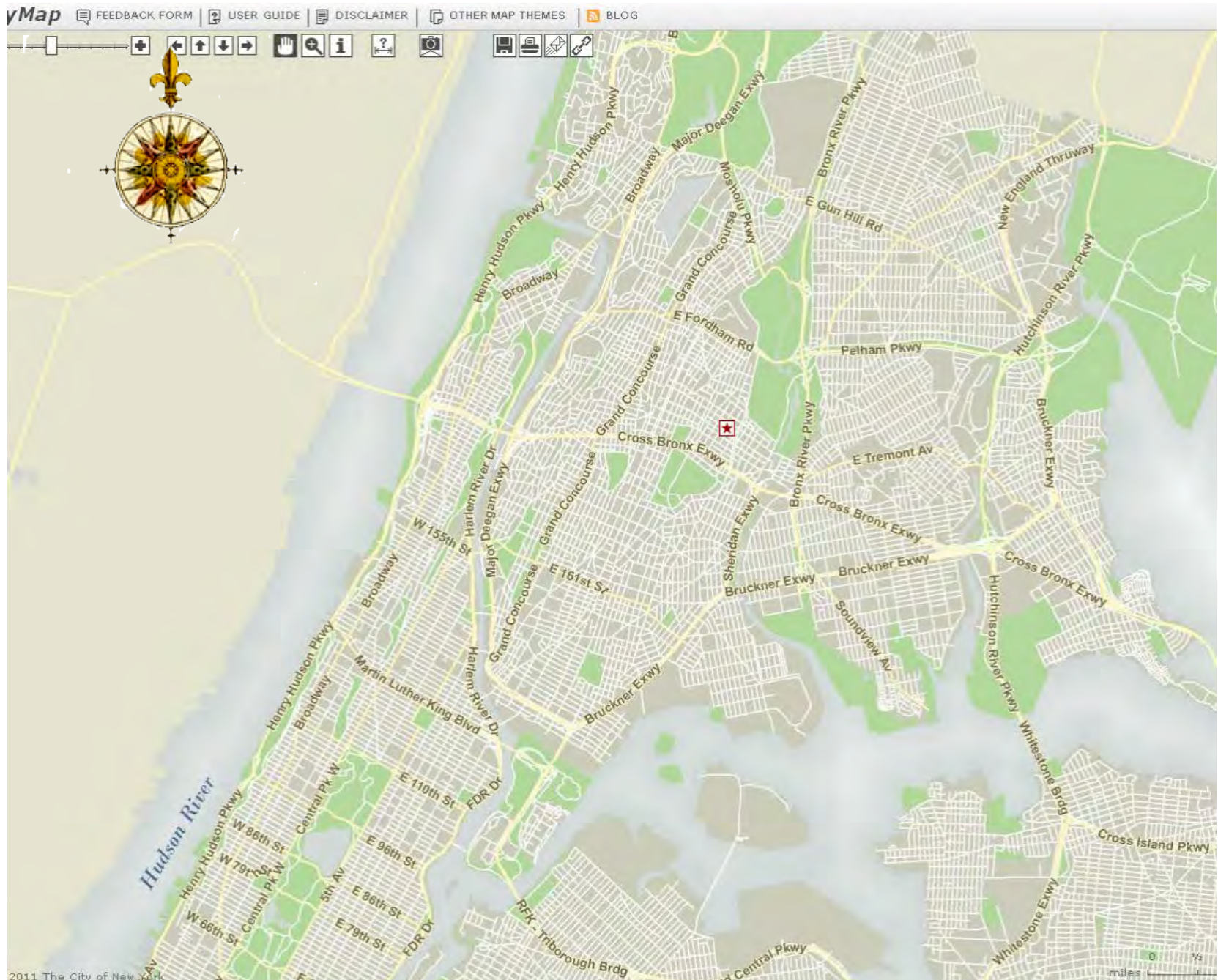


On the compass rose above, only north is filled in. Fill in the rest of the directions on the compass rose, using the standard abbreviations:  
N=North, S=South, E=East, W=West, NE=Northeast, NW=Northwest, SE=Southeast, SW=Southwest.

# Map Scale: City

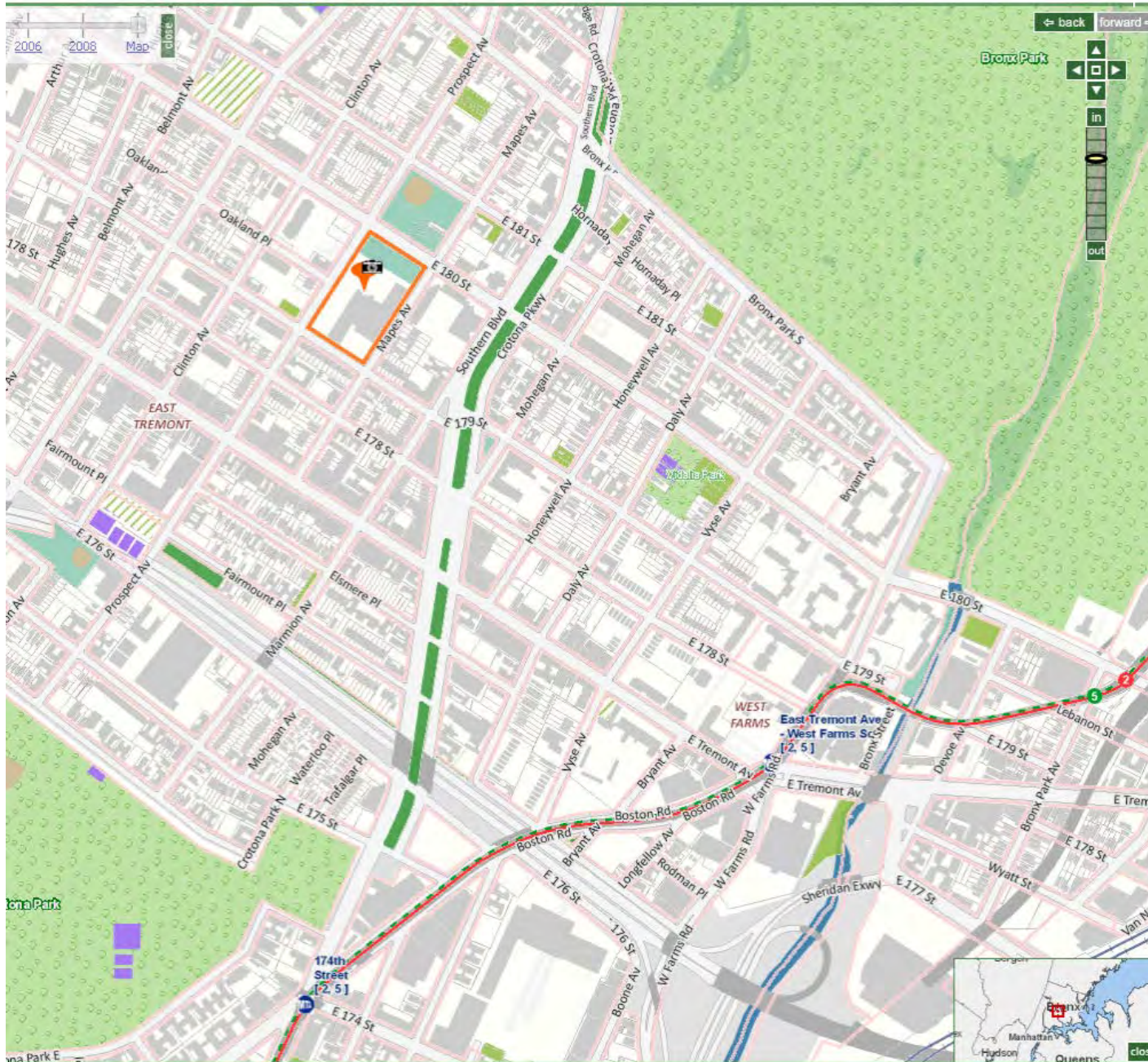


Map Scale: Borough





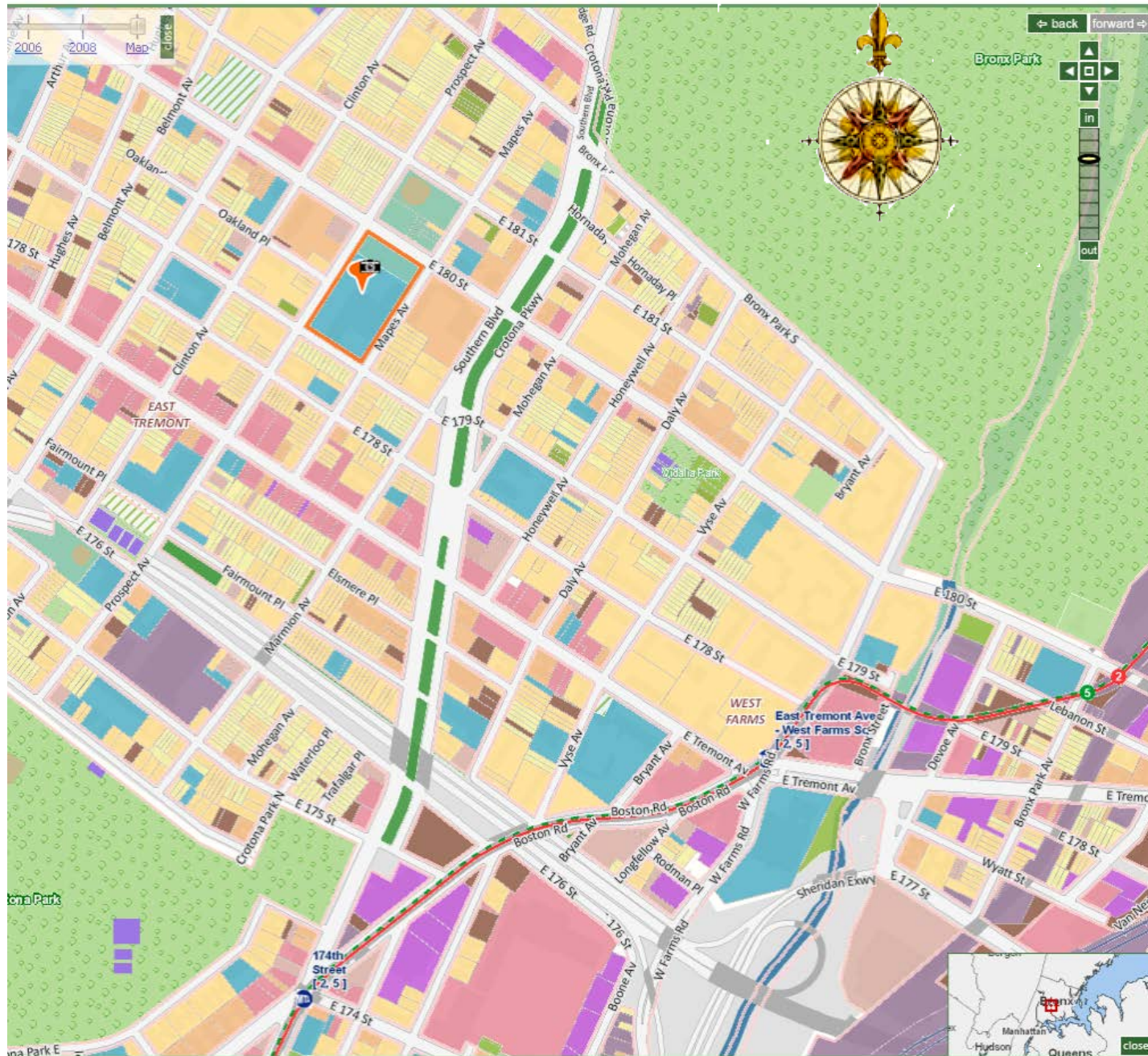
# Map Scale: Neighborhood



- Blocks
- Buildings Touching Ground
- Roads
- Subways
- Green Space
- Built Space

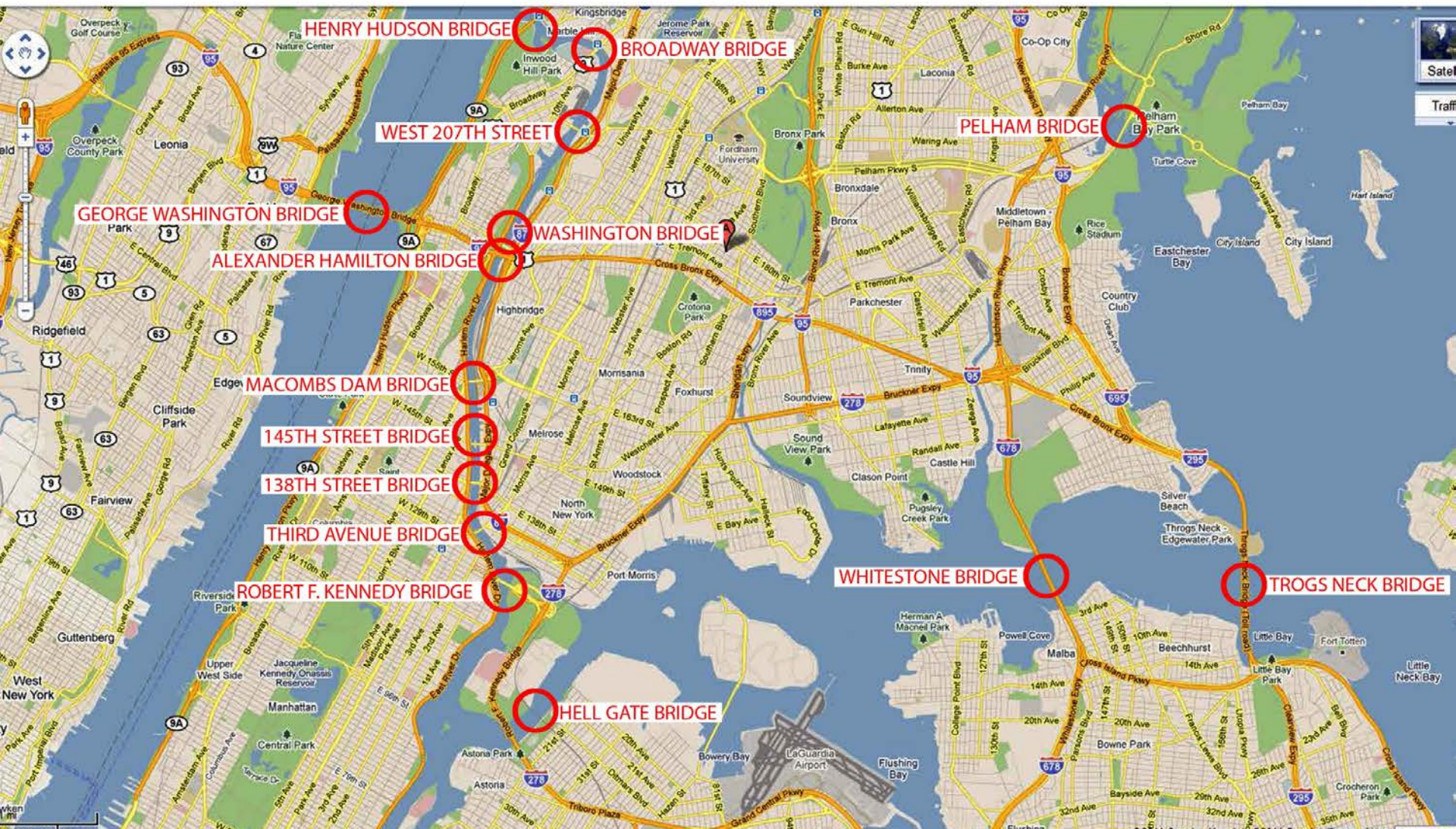


# Map Information: Land Use





# Map Information: Bridges





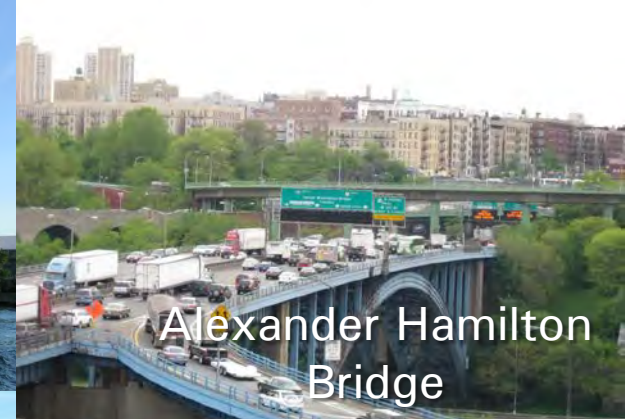
138<sup>th</sup> ST Bridge



145th ST Bridge



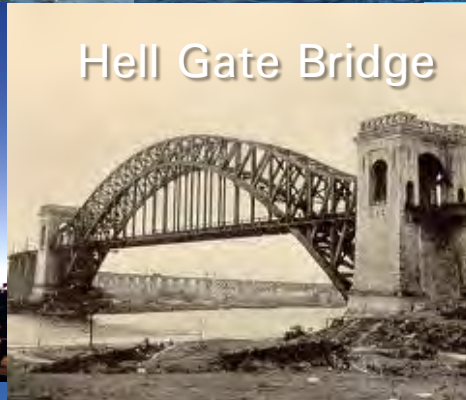
Alexander Hamilton Bridge



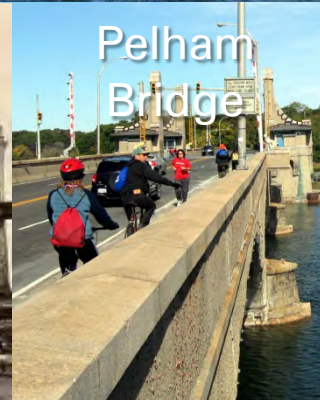
Broadway Bridge



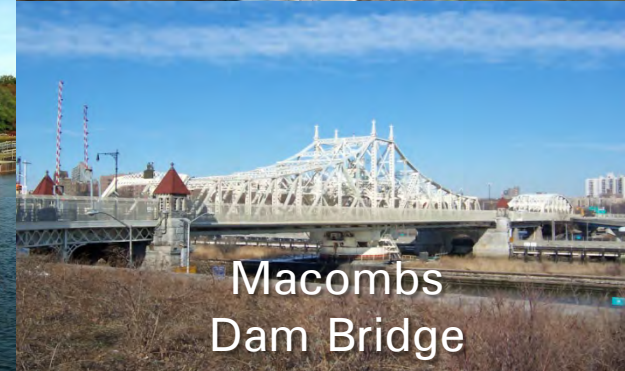
Hell Gate Bridge



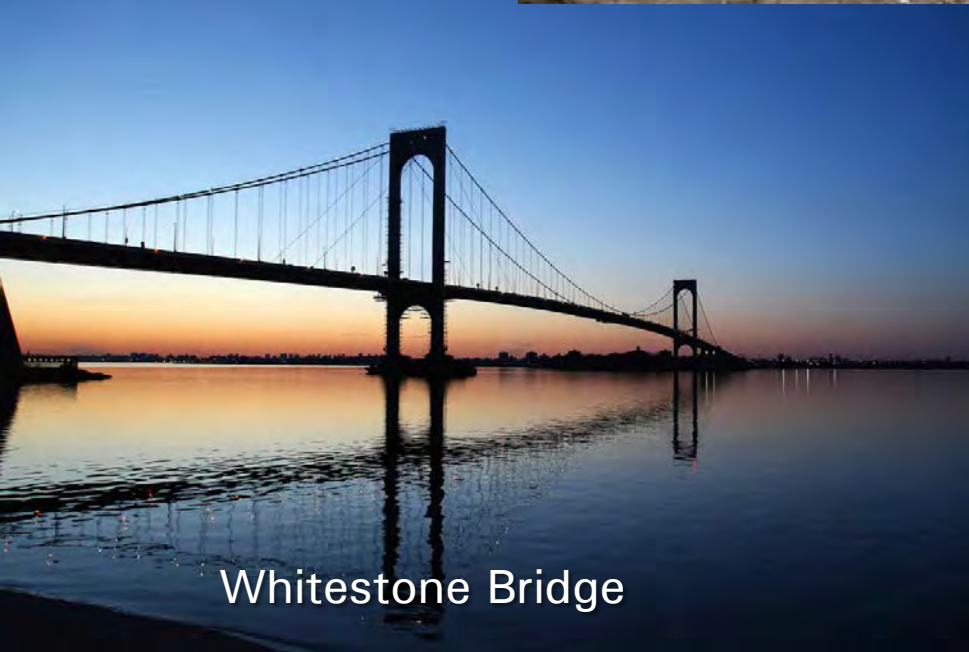
Pelham Bridge



Macombs Dam Bridge



Whitestone Bridge



George Washington Bridge





Third Ave. Bridge



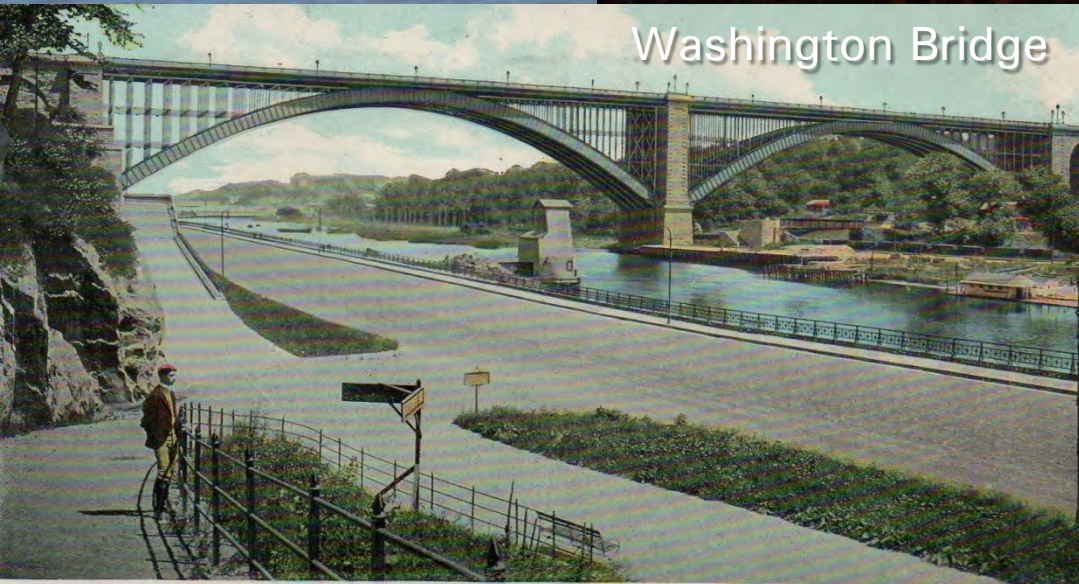
Henry Hudson Bridge



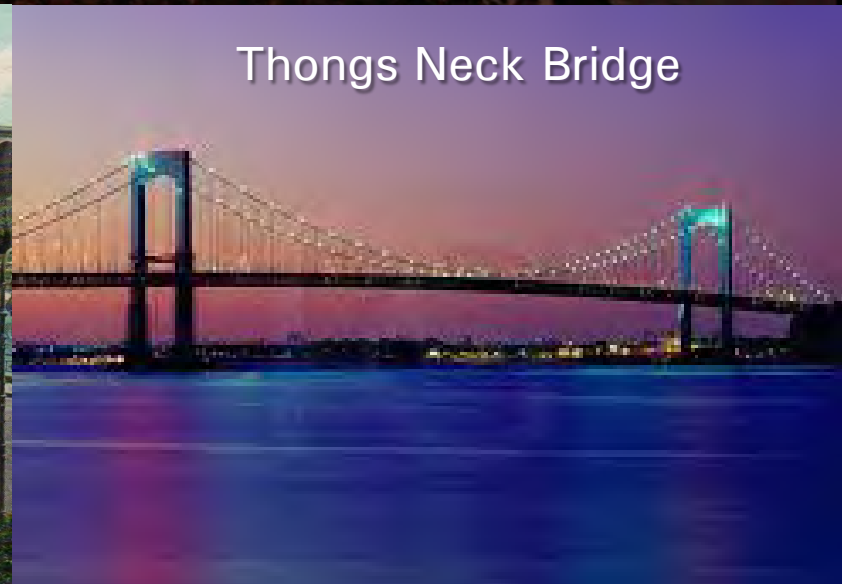
Robert F. Kennedy Bridge



Washington Bridge



Thongs Neck Bridge

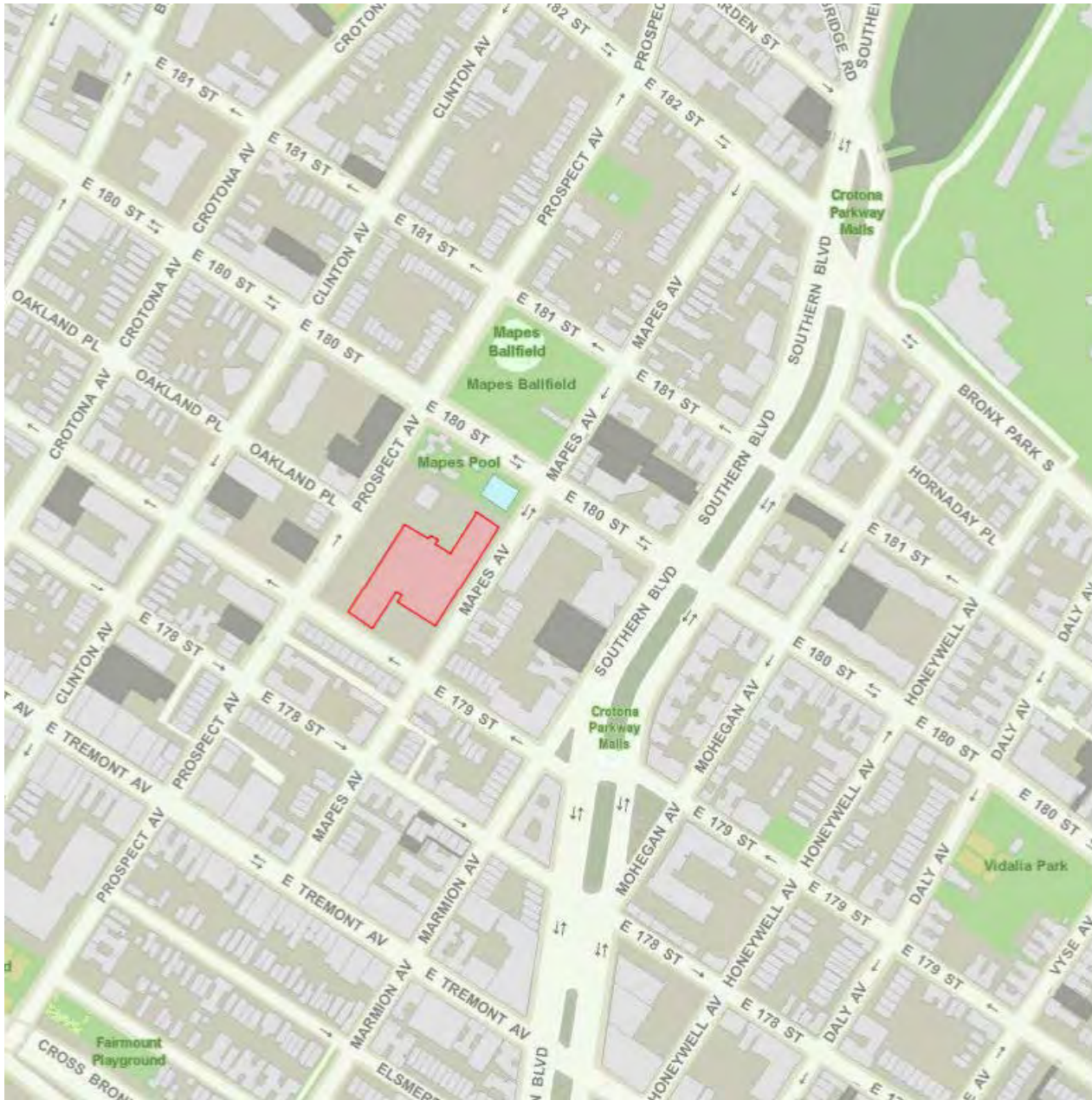




# TODAY'S ACTIVITY



# Your Map



HOMES



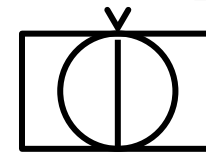
STORES



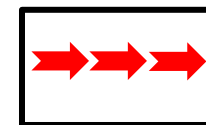
PARKS &  
PLAY-  
GROUNDS



SCHOOLS &  
SPECIAL  
COMMUNITY



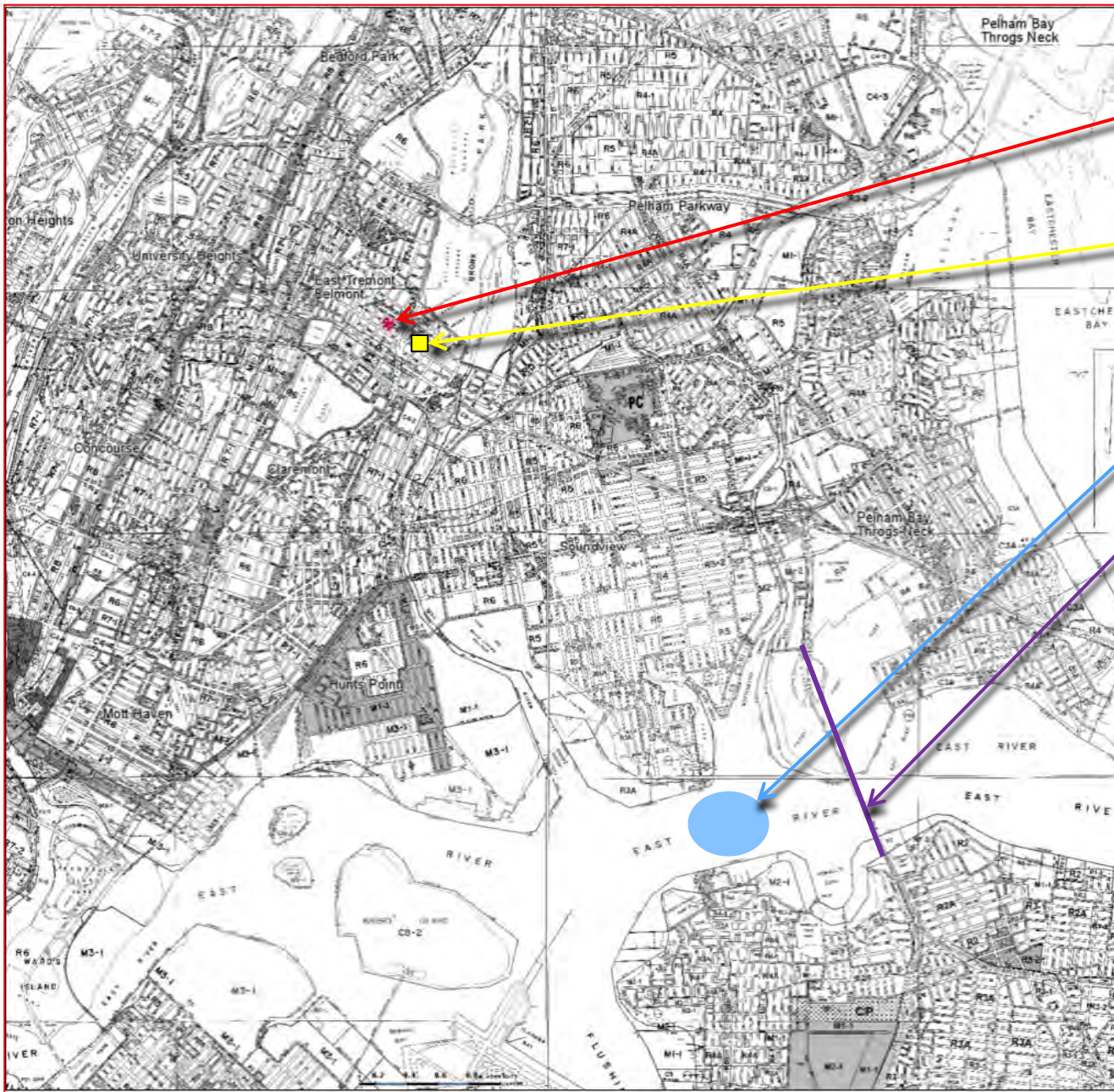
NORTH  
ARROW



YOUR PATH



# 3<sup>rd</sup> Grade Map Project



CS 300

YOUR HOUSE

WATER

BRIDGES

Ready...Set...

GO!!!





CETRA RUDDY

Lesson #3

# Community School 300

6 May 2011